

ANDREYEV , P.F.

Role of oxygen in petroleum conversion processes occurring in nature.
Trudy VNIGRI no.155:126-151 '60. (MIRA 14:1)
(Petroleum geology) (Oxidation)

ANDREYEV, P.F.; ROGOZINA, E.M.; ROGOZIN, Yu.M.

Extraction of uranium from rock with the aid of ultrasonic waves.
Zhur. fiz. khim. 34 no. 11:2429-2430 N '60. (MIRA 14:1)
(Ultrasonic waves—Industrial applications)
(Uranium ores)

DOBRYANSKIY, Aleksandr Flavianovich. Prinimal uchastiye ANDREYEV, P.F.;
ERIKH, V.N., nauchnyy red.; CHIZHOV, A.A., ved. red.; SAFRONOVA,
I.M., tekhn. red.

[Petroleum chemistry] Khimiia nefi. Leningrad, Gos.nauchno-
tekhn.izd-vo nefi. i gorno-toplivnoi lit-ry, 1961. 223 p.
(MIRA 15:1)

(Petroleum--Analysis)

ANDREYEV, P.F.; CHUMACHENKO, A.P.

Adsorption of some heavy metal complex compounds on activated carbon.
Zhur.prikl.khim. 34 no.10:2233-2239 0 '61. (MIRA 14:11)
(Complex compounds) (Adsorption)

ANDREYEV, P.F.; DANILOV, L.T.; KESHISHYAN, G.O.

Using complex-forming chromatography for the concentration of
microquantities of lead and other metals from solutions. Zhur.
prikl.khim. 34 no.11:2419-2426 N '61. (MIRA 15:1)
(Trace elements) (Chromatography)

28650

S/020/61/139/006/017/022
B103/B101

214200 also 1496

AUTHORS: Koton, M. M., Corresponding Member AS USSR, Andreyeva, I. V.,
Andreyev, P. F., and Rogozina, E. M.

TITLE: Complexes of polyacrolein with heavy-metal salts

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 139, no. 6, 1961, 1372-1374 X

TEXT: It is noted that samples of polyacrolein powder obtained under different conditions differ in their ability to form coordination complexes with heavy-metal salts. The strongest ability to cause such reactions has uranyl nitrate. In the pH range investigated salts of Pb, Co, Mn, Cu, Ni, and Fe are not able to form stable complexes with polyacrolein. Concerning the extraction of heavy-metal salts with organic compounds, the authors refer to papers by V. M. Vdovenko (Khimiya urana i transuranovykh elementov (Chemistry of uranium and transuranic elements) Izd. AN SSSR, 1960) and V. I. Kuznetsov (Usp. khim., 23, v. 6, 654 (1954)). The maximum quantity of uranium ($2305 \cdot 10^{-6}$ g/g) was extracted from aqueous solutions by means of polyacrolein samples obtained by polymerization of acrolein in

Card 1/3

28650

Complexes of polyacrolein with heavy-... S/020/61/139/006/017/022
B103/B101

ASSOCIATION: Institut vysokomolekulyarnykh soedineniy Akademii nauk
SSSR (Institute of High-molecular Compounds, Academy of
Sciences USSR) ✓

SUBMITTED: April 8, 1961

Card 3/3

ANDREYEV, P.F.; ANDREYEVA, I.V.; ROGOZINA, E.M.

Reaction of uranyl salts with the components of plant tissue and
some of its derivatives. Geokhimiia no.4:313-317 '62. (MIRA 16:7)
(Uranyl salts) (Plant cells and tissues)

1
6

ANDREYEV, P.F.

Genesis of asphalt tarry substances of petroleum. Trudy VNIGRI
no.132:193-203 '59. (MIRA 17:1)

ACCESSION NR: AP4010494

S/0080/64/037/001/231/0232

AUTHORS: Ohumachenko, A.P.; Andreyev, P.F.

TITLE: Use of Arsenazo 1 for extracting uranium from dilute solutions.

SOURCE: Zhurnal prikladnoy khimii, v.37, no.1, 1964, 231-232

TOPIC TAGS: Arsenazo 1, uranium extraction, uranium recovery, activated carbon, silica gel, alumina, sorptive capacity, activated carbon with Arsenazo 1, silica gel with Arsenazo 1, alumina with Arsenazo 1, uranium adsorption, adsorption isotherm

ABSTRACT: The sorptive capacity for uranium of adsorbents such as activated charcoal BAV, silica gel KSM, and alumina with Arsenazo 1 is increased 10-50% in comparison to the sorptive capacity of the pure carriers. The presence of Arsenazo 1 improves the extraction so that better adsorption is attained at a wider pH range. Impurities have varying effects on the sorption of uranium. Ammonium, sodium, and strontium nitrates increase extraction very slightly, with SrNO_3 decreasing it above pH 4. Aluminum and thorium lower extraction at

Card 1/2

ACCESSION NR: AP4010494

pH 2-3. The effect of ammonium chloride is significant and at pH 3.5-4.5, extraction of uranium in its presence is almost complete, but at higher and lower pH, extraction decreases due to complex formation with uranium. Orig. art. has: 3 figures.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 14Feb 64

ENCY: 00

SUB CODE: CH

NRREF SOV: 008

OTHER: 000

Card 2/2

KOTON, M.M.; ANDREYEVA, I.V.; ANDREYEV, P.P.; DANILOV, L.G.; ROGOZINA, E.M.

Reactions of an aqueous solution of polyacrolein with inorganic salts. Dokl. AN SSSR 146 no.3:608-610 S '62. (MIRA 15:10)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. 2. Chlen-korrespondent AN SSSR (for Koton).
(Acrolein) (Salts) (Macromolecular compounds)

S/186/62/004/006/004/009
E075/E436

AUTHORS: Andreyeva, I.V., Andreyev, P.F., Rogozina, E.M.
TITLE: Investigation of the process and products of
interaction of high molecular-weight compounds with
inorganic salts. I. The formation of polyacrolein
complexes with uranyl nitrate

PERIODICAL: Radiokhimiya, v.4, no.6, 1962, 660-667

TEXT: The complex forming ability of various polyacroleins
was examined for the first time. This work forms a start of a
long-term investigation of complex formation between metals and
the derivatives of polyacrolein and other polymers with carbonyl
groups. The polyacroleins investigated were obtained by
1) polymerization of acrolein in water in the presence of
oxidation-reduction initiators; 2) polymerization of pure, dry
acrolein without initiators; 3) low temperature (-20°C)
polymerization in the presence of traces of H_2O or BF_3 ;
4) polymerization in benzene solution + Na; 5) block
polymerization in the presence of lithium butyl at 20°C . The
complexes with $\text{UO}_2(\text{NO}_3)_2$ were formed in aqueous solutions, their
Card 1/2

decomposed

Ca

CIA-RDP86-00513R000101520007

ANDREYEV, P.F.

Geochemical transformations of petroleum in the lithosphere.
Geokhimiia no.10:880-889 '62. (MIRA 16:4)

(Geochemistry) (Petroleum—Analysis)

ANDREYEV, P. F.

End products of petroleum conversion in the absence of
oxidizing agents. Geol. nef'ti i gaza 7 no.4:21-26 Ap '63.
(MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy
geofiziki.

(Petroleum products)

S/186/63/C05/C01/007/013
E075/E436

AUTHORS: Andreyeva, I.B., Andreyev, P.F., Rogozina, E.M.
TITLE: Investigation of the processes and interaction products
of high molecular weight compounds with inorganic salts
II. Formation of complexes between poly(α -methyl)acrolein
and uranyl nitrate

PERIODICAL: Radiokhimiya, v.5, no.1, 1963, 103-106

TEXT: Polymerization of (α -methyl)acrolein was carried out with
different catalysts to investigate the influence of substituents
in the α position on the ability of the polymer to complex with
 $UO_2(NO_3)_2$. Ethyl-, propyl- and butyl-acroleins were also
synthesized but could only be polymerized with metallic Na.
Details of the polymerization procedures will be reported
separately. Poly(α -methyl)acroleins obtained by emulsion
polymerization with $AgNO_3$ and K_2SO_5 , Mohr's salt and K_2SO_5 ,
hyposulfite and K_2SO_5 absorbed 1000×10^{-6} g of U per g of polymer.
Auto-polymerized polymer absorbed 2000×10^{-6} g of U per g of
polymer, its content of aldehyde groups being of the same order
(66 to 69 mol%) as in the previous polymers. The polymers
Card 1/2

Investigation of the processes ...

S/186/63/CO5/CO1/CO7/013
E075/E436

obtained in the presence of BF_3 , lithium-butyl and Na contained only 9 to 12% aldehyde groups and did not complex with U. The complex formation took place to the greatest extent at the pH values of 3 to 4. In general the presence of methyl groups in the polymer makes it hydrophobic and less capable of complexing with U than polyacrolein. There are 1 figure and 1 table.

SUBMITTED: January 3, 1962

Card 2/2

SAMOV, Vitaliy Aleksandrovich; BOTKIN, Petr Petrovich; KHANDOV, Z.A.,
prof., doktor tekhn. nauk, retsenzent; ANDREYEV, P.F., kand.
khim. nauk, retsenzent; ZAKHARENKO, B.A., kand.tekhn.nauk,
nauchnyy red.; VLASOVA, Z.V., red.; KRYAKOVA, D.M., tekhn.red.

[Fuel for diesel transportation engines]Toplivo dlia transport-
nykh dizelei. Leningrad, Sudpromgiz, 1963. 355 p.

(MIRA 16:4)

(Diesel fuels)

ANDREYEV, F. F.

"New principles and research methods of studying organic matter in rocks."

report submitted for 22nd Sess, Intl Geological Cong, New Delhi, 14-22 Dec 1964.

ACCESSION NR: AP4020057

S/0186/64/006/001/0086/0093

AUTHOR: Andreyeva, I. V.; Andreyev, P. F.; Danilov, L. T.; Rogozina, E. M.

TITLE: Processes and products of reaction of high molecular compounds with inorganic salts

SOURCE: Radiokhimiya, v. 6, no. 1, 1964, 86-93

TOPIC TAGS: polyacrolein inorganic salt reaction, polyacrolein reaction, polyvinylalcohol, coagulation, gel formation, metal precipitation, variable valence metal reduction, polyaldehyde, hydrated aldehyde group, thorium polyacrolein complex

ABSTRACT: In continuation of earlier work on polyacrolein and its ability to extract metals from aqueous solutions, a number of reactions were run or attempted between 3% polyacrolein and 3% mineral salt solutions. Aqueous solutions of polyacrolein have a series of characteristic properties explained by the presence of an external hydrate shell and hydrated aldehyde groups for the polymeric molecule:
Card 1/3

ACCESSION NR: AP4020057

acid medium. The complexes formed have constant compositions, differing depending on pH of the media: in acid solution one thorium atom is complexed with 24 or 28 elementary ligand links; at pH 4.73 and 8.32, with 8 and 9 linkages regardless of the ratio of the reactants. Reaction with potassium bichromate and ammoniacal solution of hydrated copper oxide gives, as do polyvinylalcohol solutions, gels which are insoluble in water. The structure of the polyacrolein-hydrated copper oxide complex may be represented by gelation of polyvinylalcohol. Preliminary data obtained indicates that elements with variable valence can be reduced with aqueous polyacrolein solutions under determined conditions. It is therefore assumed that the polyacrolein molecule can react as a polyaldehyde. This capacity of polyacrolein for many chemical and physical-chemical conversions makes it a theoretically and practically interesting material. Orig. art. has: 4 tables, 7 formulas, and 1 figure.

ASSOCIATION: None

SUBMITTED: 15Sep62

DATE ACQ: 31Mar64

ENCL: 00

SUB CODE: MT, GC

NO REF SOV: 003

OTHER: 005

Cord3/3

ANDREYEVA, I.V.; ANDRUSHEV, P.F.; DANILOV, L.T.; ROGOZINA, E.M.

Processes and products of the interaction of high-molecular weight compounds with inorganic salts. Part 3: Reaction of aqueous solutions of polyacrolein. Radiokhimiya 6 no. 1: 86-93 '64. (MIRA 17:6)

ANDREYEVA, I.V.; ROGOZINA, E.M.; ANDREYEV, P.F.

Processes and products of the reaction of high-molecular compounds
with inorganic salts. Part 5: Physicochemical studies of the
reaction of polysaccharides with inorganic salts. Radiokhimiya 7
no.1:83-90 '65.

(MIRA 18:6)

ANDREYEVA, I.V.; KESHISHYAN, G.O.; ANDREYEV, P.F.; DANILOV, L.T.

Processes and products of the reaction of macromolecular compounds with inorganic salts. Part 4: Reaction of aqueous solutions of polyacrolein with tannin and gelatin in salt solutions. Radiokhimiia 6 no.4:491-493 '64. (MIRA 18:4)

ACC NR: AP6021/42

SOURCE CODE: 1A/0413/66/000/011/0049/0049

INVENTORS: Ovchinnikov, A. K.; Andreyev, P. F.; Alimochkin, V. K.; Gubanov, V. G.; Zolotnitskiy, V. A.; Kolesov, B. N.

ORG: none

TITLE: A method for geophysical investigation of drill holes. Class 21, No. 182255
/announced by All-Union Scientific Research Institute of Geophysical Exploration
(Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy geofiziki)/

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 49

TOPIC TAGS: geologic exploration, geophysics, geochemistry

ABSTRACT: This Author Certificate presents a method for geophysical investigation of drill holes. The method is based on measuring the oxidizing-reducing potentials of rocks. To determine accurately the geological section of the drill hole, the walls of the hole are treated with a chemical reagent, such as hydrochloric acid, which intensifies the natural oxidizing-reducing potentials by changing the insoluble mineral forms of elements with variable valences into a soluble state. After a certain time, sufficient for dissolving the rocks, the artificially intensified oxidizing-reducing potentials are measured by the method of recording the potentials of the internal polarization.

SUB CODE: 08, 13/ SUBM DATE: 30Mar64

Card 1/1

UDC: 550.837:622.241

ANDREYEV, P.I., inzhener.

Protective device for circular saws. Der.prom. 4 no.10:19-20
0 '55. (MLRA 9:1)

1.Kobinat "Krasnodarles" Ministerstva lesnoy promyshlennosti
RSFSR. (Circular saws)

ANDREYEV, P. I. PROCESSES AND PROPERTIES INDEX																																																																
BC B-I-7 Electrolysis of potassium chloride. V. V. STEN- DER, P. I. ANDREYEV, E. A. BANGOROV, and S. N. LOM (Trans. State Inst. Appl. Chem. U.S.S.R., 1933, No. 18, 52-55).—The possibility of using Vorco cells for the electrolysis of KCl was demonstrated. Ch. Abs. (c)																																																																
ASACSLA EXONL LITERATURE ALLOPOLOGICAL LITERATURE CLASSIFICATION																																																																
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <th colspan="10">COUNTRY OF ORIGIN</th> <th colspan="5">PUBLICATION</th> <th colspan="5">SUBJECT</th> </tr> <tr> <td>U</td><td>S</td><td>S</td><td>S</td><td>S</td><td>S</td><td>S</td><td>S</td><td>S</td><td>S</td> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td> <td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td> </tr> </table>															COUNTRY OF ORIGIN										PUBLICATION					SUBJECT					U	S	S	S	S	S	S	S	S	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
COUNTRY OF ORIGIN										PUBLICATION					SUBJECT																																																	
U	S	S	S	S	S	S	S	S	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																																			

ANDREYEV, P.I.; TURKUS, V.A., kandidat tekhnicheskikh nauk, redaktor;
~~SOKOLOVA~~, R.Ya., tekhnicheskiiy redaktor

[Dissemination of waste industrial gases in the air] Rasseyaniye
v vozdukh gazov, vybrasyvaemykh promyshlennymi predpriatiyami.
Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1952. 84 p.
[Microfilm] (MLRA 7:10)
(Gases) (Air--Pollution)

ANDREY 10/3 P.1.

Meteorological Abst.
Vol. 4 No. 7
July 1953
Structure and Physics of
the Atmosphere

551.510.42
A.7-58
✓ Andreev, P. I. Sopostavlenie opytnykh i teoreticheskikh kontsentratsii zagriaznenii v atmosfere pri nizkikh vybrosakh. [Comparison of experimental and theoretical concentration of pollutants in the atmosphere in the case of low smoke stacks.] *Gigiena i Sanitariia*, Moscow, 9:17-20, Sept. 1952. 3 eqs. DLC--The theoretical formulas which are the integrals for the diffusion equation, for determining the concentration of pollutants from a point source at the surface of the earth in the axis of the gaseous current and the concentration at the surface of the earth in the current from a linear source are given. The calculated concentrations are compared with experimental values and a close correspondence is found. *Subject Heading:* 1. Atmospheric pollution.--I L. D.

ANDREYEV, P.I.

Remarks on S.A. Klugin's article "Calculating the concentration of gases
emitted from industrial enterprises." Gig. i san. no.1:56-57 Ja '54.

(MLRA 6:12)

(Air--Pollution) (Gases)

ANDREYEV, PETR IVANOVICH

~~ANDREYEV~~, Petr Ivanovich; BATURIN, V.V., kandidat tekhnicheskikh nauk,
redaktor; GUSEV, Yu.L., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy
redaktor

[Distribution of heat and moisture in factory buildings] Rasprostra-
nenie tepla i vlagi v tsekhakh promyshlennykh predpriyatii. Moskva,
Gos. izd-vo lit-ry po stroit. i arkhitekture, 1955. 157 p.
(Factories--Heating and ventilation) (MLRA 8:4)

ANDREYEV, P.I., inzhener.

Distribution of air delivered to the plant through uninsulated
ducts. Tekst.prom. 16 no.11:37-41 N '56. (MLRA 9:12)
(Textile factories--Heating and ventilation)

POTEMKIN, K.V.; SPITSYN, A.; SHUGAYEV, I.A.; POL'KIN, S.I.;
SAKSAGANSKAYA, I.P.; ANDREYEV, I.I.; POLYAKOV, R.M.,
red.; VERIGO, K.M., red.

[Production of zirconium and hafnium in capitalist countries]
Proizvodstvo tsirkoniia i gafniia v kapitalisticheskikh strana-
kakh. Moskva, Pts.1-3. 1962. 157 p. (MIRA 17:4)

1. Moscow. Tsentral'nyy institut informatsii tsvetnoy metal-
lurgii.

POL'KIN, S.I., prof.; ANDREYEV, P.I.; CHANTURIYA, V.A.

Flotation for the separation of pyrochlore, zircon and
ilmenorutile. Obog. rud. 8 no.3:20-24 '63. (MIRA 17:1)

POL'KIN, S.I.; ANDREYEV, P.I.

Flotation and separation of pyrochlore, ilmenite-rutile, and zircon
and the mechanism of the action of reagents. TSvet. met. 36
no.5:9-17 My '63. (MIRA 16:10)

POL'KIN, S.I.; ANDREYEV, P.I.; ROZENFEL'D, S.Sh.; MORGEN, L.M.

Use of lignin derivatives for flotation control. TSvet. met. 38
no.2:13 F '65. (MIRA 18:3)

ANDREYEV, P.I.; POL'KIN, S.I.

Effect of treatment by sulfuric acid and sodium silicate on the flotation of pyrochlore, ilmeno-rutile, and zircon by an ANP-14 cationic collector. Izv. vys. ucheb. zav.; tsvet. met. 5 no.4: 46-53 '62. (MIRA 16:5)

1. Moskovskiy institut stali, kafedra obogashcheniya rud redkikh i radioaktivnykh metallov.
(Flotation--Equipment and supplies) (Nonferrous metals)

POL'KIN, S.I.; SAKSAGANSKAYA, I.P.; ANDREYEV, P.I.

Certain specific characteristics of the primary treatment of
placer deposits containing zirconium and titanium; review of
foreign publications. TSvet. met. 36 no.1:82-87 Ja '63.
(MIRA 16:5)
(Placer deposits) (Zirconium) (Titanium)

ANDREYEV, P.K. [deceased], kand. tekhn. nauk

deceased

Introducing speed regulators for electric drives. Tekst. prom.
20 no. 1:64-65 Ja '60. (MIRA 13:5)
(Electric machinery--Regulation)

ANDREYEV, P.M.

Greater use of nautical instruments for river fleet vessel handling.
Rech.transp. 16 no.9:8-10 S '57. (MIRA 10:12)
(Ship handling) (Nautical instruments)

ANDREYEV, P.M., inzh.

One of the causes of marine accidents and ways to prevent them.
Rech. transp. 17 no.4:35-36 Ap '57. (MIRA 11:4)
(Marine accidents) (Inland navigation)

ANDREYEV, P.H., inzh.

Leaving personal belongings and technical equipment on ships between
navigation periods. Rech. transp. 17 no.1:39 Ja '58. (MIRA 11:3)
(Materials--Deterioration)

ANDREYEV, P.M.

NITS, Yu.N., inzh.; NENTKACHEV, A.A., inzh.; ANDREYEV, P.M., inzh.

Using marine radar on the Kuybyshev Reservoir. Rech. transp. 17
no. 5:34-35 My '58. (MIRA 11:5)
(Radar in navigation) (Kuybyshev Reservoir)

ANDREEV, P. M.
ANDREEV, P. M.

ca

Apparatus for stopping explosions of dust or gases. P.
M. Andreev. Russ. 51,207, June 30, 1937. Construc-
tion details of an app. in which CO₂ and inert dust are used.

24

ANDREYEV, P. N.

DECEASED

Vet. Med.

see ILC

ANDREYEV, P.N.

Some data on the hibernation of birds in the Crimean foothills.
Izv.Krym.otd.Geog.ob-va no.4:108 '57. (MIRA 14:8)
(Crimea--Birds) (Hibernation)

ANDREYEV, P. N.

PA 10/49TH1

USSR/Engineering
Water - Purification
Water - Cooling Properties

Jul 48

"The Introduction of Phosphate Purification of
Water for Cooling Purpose at the Iskine Diesel
Electric Station," P. N. Andreyev, OrgEnergoNef't,
7 pp

"Energet Byul" No 7

Iskine DES, operated by KazEnergoNef't Trust has
installed 400 and 600 hp MAN diesels. Cooling
water comes from Ural river. Describes phosphate
treatment. Tables show chemical composition of

10/49TH1

USSR/Engineering (Contd)

Jul 48

water, scale formation, cost of reagent, etc.
Graphs show cylinder-cooling water temperatures
over 26-month period. Concludes that treatment re-
duces scale and improves reliability and economy
of operation.

10/49TH1

ANENYEV, P. N.

Designing condensate purifiers. Energ. biul., no. 1, 1952.

SC: MLCA. May 1952.

ANDREYEV, P.N.

GERM

Determination of gasoline in [steam] condensate. P. N. Andreev. *Energ. Byul.* 1951, No. 4, 18-20; *Chem. Zentr.* 1952, 1223. —A simple app. has been designed for the detn. of gasoline in the purified and unpurified steam condensate of boilers operating with a closed system in which the condensate is recycled. Calibration curves for different types of gasoline are given. M. G. Moore

9(4)

PHASE I BOOK EXPLOITATION

SOV/2586

Andreyev, Petr Nikolayevich and Zaryanov, Nikolay Vasil'yevich

Tekhnika razbornykh lamp (Technology of Demountable Tubes) Moscow,
Svyaz'izdat, 1959. 111 p. Errata slip inserted. 8,400 copies printed.

Ed.: Ye. S. Novikova; Tech. Ed.: K.G. Marksch.

PURPOSE: This book is intended for engineering and technical personnel working with high-power generator tubes.

COVERAGE: The authors present brief information on high-power demountable tubes and their elements. They describe the construction and operation of auxiliary vacuum equipment for these tubes and discuss tube servicing and maintenance. The authors mention the following Soviet scientists and engineers who contributed to the development of high-power demountable tubes up to 500 kw: A.L. Mints, A.M. Kugushev, S.A. Zusmanovskiy, N.I. Oganov, P. N. Andreyev, N.I. Karpovskiy, and M.I. Basalayev. They also mention the following radio specialists of the Ministry of Communications who introduced demountable tubes

Card 1/3

06348
SOV/142-2-4-1/26

9 (2)

AUTHOR: Andreyev, P.N., Zatskaya, T.K., Neyman, M.S.

TITLE: A High-Power, Wideband Resnatron Amplifier

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1959, Vol 2, Nr 4, pp 391-398 (USSR)

ABSTRACT: A 10-kw resnatron amplifier is described briefly. It has a very wide frequency passband (about 6% of the mean frequency). The basic principles used for designing this amplifier are explained. The frequency passband had to be achieved without using some coupled oscillatory circuits, neither for the input, nor for the output. Not more than 6 kv feed voltage were to be used. The reaction of the output circuits on the input circuits and on the exciter were to be eliminated as far as possible. The electron-ray principle was used for designing the electrodes. The amplifier was built as an all-metal structure with continuous evacuation, thus all oscillatory systems and electrodes were placed in a common vacuum. The two oscillatory circuits

Card 1/3

06348

SOV/142-2-4-1/26

A High-Power, Wideband Resnatron Amplifier

of the amplifier are coaxial, halfwave systems. The input and output systems are tuned by pistons. Input and output of rf energy are designed for coaxial cables with 50 ohm impedance. A general diagram of the resnatron amplifier is shown in Figure 1. A photograph of this device is shown in Fig 2. A detailed diagram is shown in Fig 3. The most important components are shown in a photograph, Fig 4, and in diagrams, Figs 5 and 6. All basic units are watercooled. The constructional details are described briefly. During tests, the following data were established: Load capacity 11 kw; anode voltage and voltage at the screen grid 5.8 kv; bias voltage at the screen grid -165 volts; capacity in the exciting feeder 2.9 kw; current of the anode-screen unit 4.5 amps; control grid current 0.6 amps; cathode heater voltage 3.3 volts; heater current 1700 amps; cooling water consumption 20 liters per minute; continuous duty. The amplitude-frequency characteristic of the resnatron amplifier is shown in Fig 7.

Card 2/3

AKOL'ZIN, P.A.; ANDREYEV, P.N.; APEL'TSIN, I.E.; GURVICH, S.M.; KOT, A.A.;
KOSTRIKIN, Yu.M.; KOSHELEV, I.I.; MAMET, A.P.; NOVI, Yu.O.;
SENDIK, M.M.; KHAYBULLIN, I.Kh.; GOLUBTSOV, V.A., red.; VORONIN,
K.P., tekhn.red.

[Handbook for a chemist and power engineer in three volumes] Spravochnik khimika-energetika v trekh tomakh. Moskva, Gos.energ.izd-vo. Vol.1. [Reference materials for general use] Spravochnye materialy obshchego naznachenia. 1960. 327 p. (MIRA 13:4)
(Chemistry)

85481

S/08/60/015/011/003/012
BC:9/R063

9,2585
AUTHORS:

Andreyev, P. N. Napolcva, G. A. Neyman, M. S. Members
of the Society

TITLE:

High-efficiency Resonator Autogenerators of Meter and
Decimeter Waves

PERIODICAL:

Radiotekhnika, 1960, Vol. 15, No. 11, pp. 26-33

TEXT: The present paper deals with the design and testing of resonator autogenerators intended for the continuous generation of a high power output. The first generator is designed for a wavelength of 2.5 m and an output of 100 kw, the second for a wavelength of 1.5 m and an output of 60 kw, and the third for a wavelength of 40 cm and an output of 40 kw. All of these generators are of the resonator type, viz., all-metal tetrodes using a grounded-grid circuit. The principal units of the generators are made of copper and water-cooled. A great advantage of the design described is the absence of thermionic emission of the water-cooled grid lead-ins. The tuning elements are controlled by vacuum wobble joints. Fig. 2 shows the disassembled 40 cm generator which consists of a system of cathodes.

Card 1/3

85481

High-efficiency Resonator Autogenerators of
Meter and Decimeter Waves

S/108/60/015/011/003/012
B019/B063

a control grid, a screening grid, an anode block, an anode vibrator, and a high-frequency energy tapping. These parts are described in detail. The results of tests of the three generators are compiled in the following tables:

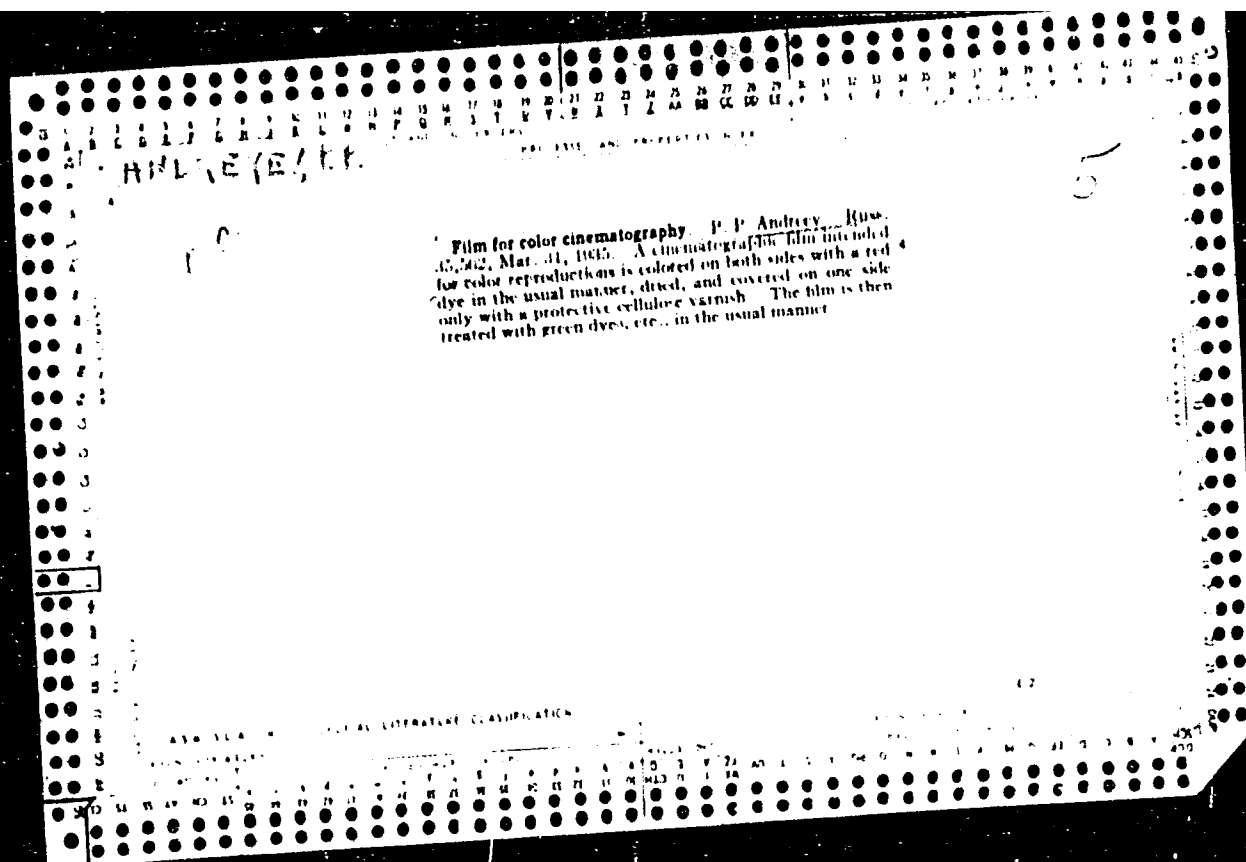
Type of generator	40.6-cm generator		1.64 m	2.5 m
Anode d-c voltage	8.5 kv	10.0 kv	12.0 kv	12.0 kv
d-c component of the anode-shield current	6.5 a	7.0 a	9.6 a	11.2 a
d-c component of the control-grid current	1.4 a	1.2 a	2.6 a	0.44 a
Input power	55.4 kw	70.0 kw	115.0 kw	134.0 kw
Power loss in the anode block	17.2 kw	25.1 kw	46.0 kw	53.3 kw
Power loss in the screening grid	2.7 kw	5.0 kw	8.8 kw	12.9 kw

Card 2/3

LOMONOSOV, Mikhail Vasil'yevich; TOPCHIEV, A.V., akad., red.; PETROVSKIY, I.G., akad., red.; ANDREYEV, P.N., akad., red.; BYKOV, K.M., akad., red.; KAZANSKIY, V.A., akad., red.; SHMIDT, O.Yu., akad., red.; SHCHERBAKOV, D.I., akad., red.; YUDIN, P.F., akad., red.; DELONE, B.N., red.; KOSH-TOYANTS, Kh.S., red.; SAMARIN, A.M., red.; LEBEDEV, D.M., prof., red.; FIGUROVSKIY, N.A., prof., red.; KUZNETSOV, I.V., kand. filos. nauk, red.; BERKOVICH, D.M., red. izd-va; KOVICHKOVA, N.D., tekhn. red.; KASHINA, P.Ye., tekhn. red.

[Selected works in chemistry and physics] Izbrannye trudy po khimii i fizike. Red. A.V. Topchieva. Stat'ia N.A. Figurovskogo. Primechania G.A. Andreevoi, O.A. Lezhnevoi i N.A. Figurovskogo. Moskva, Izd-vo Akad. nauk SSSR, 1961. 560 p. (MIRA 14:11)

1. Chlen-korrespondent AN SSSR (for Delone, Koshtoyants, Samarin).
(Lomonosov, Mikhail Vasil'evich, 1711-1765)
(Chemistry) (Physics)



ANDREYEV, P. P.

Tekhnika vychislenii (prikladno k sel'skokhozyaystvennomu uchetu) [Computation
Methods (applied to agricultural accounting)] Gosstatizdat, 1955. 120 p.

SO: Monthly List of Russian Acquisitions Vol. 1 No. 7 October 1955

ANDREYEV, P. P.

Tekhnika vychisleniy primentel' No k sel (skokhozyaystvennomu uchetu (technical computations applicable to agricultural accounting, by) P.P. Andreyev (and) N.S. Belen'kiy Moskva, Gosstatizdat, 1953. 178 p. illus., diags., tables.

SO: N/5
611.91
.A5

ANDREYEV, Pavel Pavlovich

N/5
611.91
.A52
1956

ANDREYEV, Pavel Pavlovich

Khozyaystvennyye vychisleniya (Economic computations) Izd. 2.,
perer. Moskva, Gosstatizdat, 1956. 262 p. illus. diagrs., tables.

Andreyev, Pavel Pavlovich
1910, 1911, 1912

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

7/5
611.91
.443

Elektraystvennyye Vychisleniya i Elementy Mekhanizirovannogo Ucheta: Uchebnik Dlya Tekhnicheskoy Sredney Shkoly (Industrial accounting and the Elements of Machine Calculations, by) I. P. Andreyev i M. S. VILNERIY. Moskva, Gostorgizdat, 1957. 114 p. Illus., Tables.

POLOV'YAN, I.M., prof., otv. red.(Saratov); NAPALKOV, P.N., zasl.
deyatel' nauki prof., red.; ZAKHAROV, N.V., prof., red.
[deceased]; BEL'SKIY, A.V., dots., red.; KOSHELEV, V.N.,
dots., red.; GORCHAKOV, L.G., red.; CHERNYSHEV, N.V., red.;
BLINER, M.S., red.; ANDREYEV, P.I., red.

[Transactions of the Second Congress of Surgeons of the
R.S.F.S.R.] Trudy vtorogo s"ezda khirurgov RSFSR. Saratov,
Vser. nauchn. med. ob-vo khirurgov, 1963. 583 p.
(MIRA 17:8)

1. S"yezd khirurgov RSFSR. 2d, Saratov, 1962.

ANDREYEV, P. P.

"On the problem of the structure of joints in horses in light of the development of pathologic processes in them," In symposiums Nauch.-prakt. raboty voyen-vet. sluzhby, Moscow, 1948, p. 26-36

SO: U-3850, 16 June 53, (Letovis 'Zhurnal 'nykh Statey, No. 5, 1949).

ANDREYEV, P. P.

"On the Structure of Articulation in Horses," Veterinariya, No.2, 1948

Cand. Vet. Sci.

ANDREYEV, P.P., dotsent.

~~infection of the withers in oncoceriasis.~~

Infection of the withers in oncoceriasis. Veterinariia 30 no.6:
37-42 Je '53. (MLRA 6:5)

1. Moskovskaya veterinarnaya akademiya.

ANDREYEV, P.P., dotsent.

Pathologeanatomical and X-ray picture in bene spavin and
arthrosis. Veterinariia 32 no.7:59-64 J1 '55.(MLRA 8:9)
(HORSES--DISEASES) (SPAVIN)

ANDREYEV, P.P., dots. kand.vet.nauk

On the book "Specialized surgery of domestic animals". Pt.C:
"Specialized surgery of domestic animals" by K.I. Shakalov and
others. Reviewed by P.P. Andreev. Veterinariia 35 no.11:
79-81 N '58. (MIRA 11:11)
(Veterinary surgery) (Shakalov, K.I.)

KLEYTSHEV, P.A.; KOZLOV, Ye.G.; BELOZERTSEV, A.G.; VOLODARSKIY, D.Ya.;
GRACHEV, V.A.; KRUCHININ, M.I.; FILIMONOV, K.N.; KHLUDENEV, A.I.;
ANDREYEV, P.P.; NOVOZHILOV, V.F.; GERSHANOV, S.V.; PYLAYEVA, A.P.,
red.; BALLOD, A.I., tekhn. red.; PEVZNER, V.I., tekhn. red.

[Economic efficiency of mechanization in agriculture] Ekonomicheskaya effektivnost' mekhanizatsii sel'skogo khoziaistva. Moskva, Izd-vo sel'khoz.lit-ry, zhurnalov i plakatov, 1961. 230 p.
(MIRA 15:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khozyaystva (for all except Pylayeva, Ballod, Pevzner).
(Farm mechanization)

CHAYKA, Z.A., kand.sel'skokhozyaystvennykh nauk; ANDREYEV, P.P., kand.
ekonomicheskikh nauk

Irrigation and water supply as great possibilities for increasing
the output of livestock produce. Zhivotnovodstvo 23 no.5:9-15
My '61. (MIRA 16:2)

(Rostov Province--Irrigation farming)

SHAROV Pavel Pavlovich; SHUVILOV, R. A.

[Geometry] Geometriia. Fol. red. R. A. Shuvilova. Moskva,
Nauka, 1964. 205 p. (MIRA 1964)

ANDREYEV, P. P.

Konstruktivnyye vozmozhnosti morfologicheskoy teorii nomogramm. M., Dissertatsiya (1939)
Postroyeniye involyutsionnogo kremonova sootvetstviya 17-go poriyadka. L., Trudy
Nauchno - tekhn. Konfer. Voenno - transp. akad., SE. 2 (1938), 79-82.

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A. G.,
Markushevich, A. I.,
Rashovskiy, F. K.
Moscow-Leningrad, 1948

ANDREYEV, P. P.

Matematicheskie tablitsy [Mathematical tables]. Moskva, Gosstatizdat, 1952. 472 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 5, August 1953

ANDREYEV, P.P.; GLAGOLEVA, A.A., professor, redaktor; TSVETKOV, A.T.,
redaktor; AKHILAMOV, S.N., tekhnicheskii redaktor.

[Course in elementary geometry for technical schools] Kurs elemen-
tarnoi geometrii dlia tekhnikumov. Pod.red. A.A.Glagoleva. Moskva,
Gos. izd-vo tekhniko-teoret. lit-ry, 1954. 266 p. (MLRA 7:10)
(Geometry--Study and teaching)

ANDREYEV, Pavel Pavlovich; IVANOVA, K.G., redaktor; MELENT'YEV, A.M.,
~~tekhnicheskii~~ redaktor.

[Mathematical tables] Matematicheskie tablitsy. 2-e izd. Moskva,
Gos. statisticheskoe izd-vo, 1955. 281 p. (MLRA 8:8)
(Mathematics--Tables, etc)

ANDREYEV, P.P. (Moskva)

Determination of a polygon in elementary geometry. Mat. v shkole
no.6:23-25 N-D '55. (MLRA 9:2)
(Polygons)

ANDREYEV, Pavel Pavlovich; TSVETKOV, A.T., redaktor; TUMARKINA, N.A.,
tekhnicheskiiy redaktor

[A course in elementary geometry for technical schools] Kurs elementar-
noi geometrii dlia tekhnikumov. Izd. 3-e. Moskva, Gos. izd-vo tekhniko-
teoret. lit-ry, 1956. 240 p.
(Geometry) (MIRA 9:11)

ANDREYEV, Pavel Pavlovich

[Mathematical tables] Matematicheskiye tablitsy. 3 izd. Moskva,
Gos. statisticheskoye izd-vo, 1958. 281 p. (MIRA 12:1)
(Mathematics--Tables, etc.)

ANDREYEV, P.S.

Improving the exploration of the Upper Permian salt deposit.
Nauch. trudy PermNII no.6:5-25 1961.

(MIRA 18:2)

UNCLASSIFIED, E. O. (12812)

Doc 370-471, Moscow, Heritage, 1981

at: 1981. October 1972.

ANDREYEV, F. S.

"Oпыт эксплуатации Avtobusa SIS-155 (Experience in Operation of the SIS-155 Bus) Moskva, Mashin, 1952. 133 . Illus., diagrs. "Literat. no": 1. (132)."

ANDREYEV, P.S., inzhener; ZARUBIN, I.N., shofer; IVANOV, I.V., shofer;
TILLOV, Ya.I., laureat Stalinskoy premii; STEPANOVA, Ye.A., inzhener, retsenzent; LEVIN, D.M., inzhener, redaktor; MATVEYEVA, Ye.N.,
tekhnicheskiiy redaktor.

[Practice in operating bus ZIS-155] Opyt ekspluatatsii avtobusa ZIS-155,
Moskva, Gos. nauchno-tekhn. izd-vo Mashinostroitel'noi lit-ry, 1953.
133 p. (MIRA 8:4)

(Motorbuses)

ANDREYEV, P. [s.]

ANDREYEV, P.; TIMANOV, N.

Results of operating ZIS-155 buses for four years. Avt.transp. 32
no.5:13-15 Mv '54. (MLRA7:7)

1. Pervyy avtobusnyy park Moskvyy.
(Motor buses)

GOLITSYN, Leonid Alekseyevich, slesar'; ANDREYEV, P.S., red.; MEDNIKOVA,
A.I., tekhn. red.

[Work experience of a machinist group in second stage maintenance]
Opyt raboty brigady slesarei pri TO-2. Moskva, Mashino-tekhn.
izd-vo avtotransp. lit-rv, 1956. 26 p. (MIRA 11:10)

1. 1-y avtobusnyy park Leningrada (for Golitsyn).
(Motorbuses—Maintenance and repair)

ANDREYEV, Pavel Stepanovich; STARSHINOV, Ivan Fedotovikh; NIKITIN, A.G.,
redaktor; MAL'KOVA, N.V., tekhnicheskij redaktor

[Bus fleet operation; the experience of the Moscow no. 1 bus fleet]
Rabota avtobusnogo parka; iz opyta 1-go avtobusnogo parka Moskvy.
Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1956. 42 p. (MLRA 9:7)
(Motorbuses)

GUREVICH, Il'ya Solomonovich; GUTTSAYT, Roman Moiseyevich; ANDREYEV, P.S.,
redaktor; GALAKTIONOVA, Ye.N., tekhnicheskiy redaktor

[Organization of bus fleet operations; experience of the Leningrad
no.1 bus fleet] Organizatsiia raboty avtobusnogo parka; iz opyta
raboty 1-go Leningradskogo avtobusnogo parka. Moskva, Nauchno-tekhn.
izd-vo avtotransp. lit-ry, 1956. 47 p. (MLRA 9:10)
(Motorbuses)

IVANOV, Kondrat Yakovlevich, shofer; ~~ANDREYEV, P.S.~~, redaktor; GALAKTIONOVA, Ye.I., tekhnicheskiy redaktor

[Driving forty years without an accident] Sorok let bezavariinoy raboty na avtomobile. Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1956. 27 p. (MLRA 10:2)

1. Avtokolona No.24 Rostovskogo oblavtotresta (for Ivanov)
(Motorbus drivers)

Andreyev Pavel Stepanovich
ANDREYEV, Pavel Stepanovich, inzh.; DUBAKH, N.Ya., red.; KOGAN, F.L.,
tekhn.red.

[Operations of the ZIL-155 bus] Ekspluatatsiia avtobusa ZIL-155.
Moskva, Nauchno-tekhn.izd-vo avtotransp.lit-ry, 1956. 108 p.
(MIRA 11:1)
(Motorbuses)

TYAGLOV, Andrey Petrovich, shofer; ANDREYEV, P.S., red.; GALAKTIONOVA,
Ye.N., tekhn.red.

[Lengthen the serviceability of the automobile's component
parts] Uvelichenie sroka sluzhby agregatov avtomobilia.
Moskva, Nauchno-tekhn.izd-vo avtotransp.lit-ry, 1957. 24 p.
(MIRA 12:10)

1. Avtotransportnaya kontora No.1 g.Makhach-Kala (for Tyaglov).
(Motorbuses--Maintenance and repair)

BELITSKIY, Mikhail Semenovich, kand.tekhn.nauk; ANDREYEV, P.S., red.;
GALAKTIONOVA, Ye.N., tekhn.red.

[Increasing the running of a motor vehicle without repair]
Kak uvelichit' probeg avtomobilia do remonta. Moskva, Nauchno-
tekhn.izd-vo M-va avtomobil'nogo transporta i shosseinykh dorog
RSFSR, 1959. 37 p. (MIRA 13:3)
(Motor vehicles--Maintenance and repair)

ANDREYEV, Pavel Stepanovich; ARKHANGEL'SKIY, Yu.A., red.; DONSKAYA, G.D.,
tekhn.red.

[Bus driver's manual] Pamiatka shoferu avtobusa. Moskva, Nauchno-
tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR,
1959. 41 p. (MIRA 12:9)

(Motor bus drivers)

MALYSHEV, Georgiy Andreyevich; BREYTERMAN, Lev Srulevich; ANDREYEV,
P.S., red.; BODANOVA, A.P., tekhn. red.

[Repair of motorbus bodies] Remont avtobusnykh kuzovov. Mo-
skva, Avtotransizdat, 1963. 233 p. (MIRA 16:6)
(Motorbuses--Maintenance and repair)

L 1662-66 EWT(d)/EWP(e)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(z)/EWP(b)/
EWP(1)/EWA(c) JD/HW

ACCESSION NR: AT5022888

UR/2776/65/000/043/0053/0059

AUTHOR: Borok, B. A.; Malin, A. P.; Markelov, V. V.; Andreyev, P. S.; Kutyrina, V. M.; Loginov, A. A.; Grogval'd, V. G.; Aksenov, G. I.

TITLE: Experience in rolling powders in an industrial-type rolling mill

SOURCE: Moscow, Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metal-lurgii, Sbornik trudov, no. 43, 1965. Poroshkovaya metallurgiya (Powder metal-lurgy), 53-59

TOPIC TAGS: rolling mill, powder metallurgy, metal powder, powder metal rolling

ABSTRACT: The authors describe an industrial two-high powder-rolling mill with roll diameters 600 and 900 mm, based on a standard rolling mill originally built in 1940, and equipped with special powder-feeding bunkers. The mill consists of an open-top steel housing with variable positioning of rolls -- they can be aligned either horizontally or at angles of 22.5°, 45°, and 60° (Figs. 1, 2). Its main drive is powered by a DC 257.4 kw (350 HP) 40-800 RPM motor. It has been used for the experimental rolling of strips from the powders of iron, OKh18N9 stainless steel, molybdenum, and titanium. These experiments demonstrated the

Card 1/5

L 1662-66

ACCESSION NR: AT5022888

mill's suitability for organizing the industrial production of poreless strips from the powders of different metals and alloys. Such strips, 0.8-1.0 mm thick, display physical properties that are not inferior to those of strips produced by rolling ingot metal. This strip thickness is in complete agreement with the basic equation of rolling, which implies that strip thickness is a function of roll diameter:

$$\gamma_s = \frac{\gamma_p}{\tau} \left[1 + \frac{D}{\delta} + \frac{\alpha^2}{2} \right] \quad (1)$$

where γ_p and γ_s are the densities of powder (bulk weight) and strip, respectively, g/cm³, D is the roll diameter, δ is the thickness of rolled strip, mm; α is the angle of reach, deg; and τ is the coefficient of reduction of the powder during rolling. Hence this basic equation applies not only for laboratory rolling mills but also for industrial rolling mills and can be used in designing the latter. Before the rolling of metal powders can be industrially introduced, however, these three problems must be solved: lateral restriction of the zone of deformation of powder in the rolls; continuous, uniform supply of powder to the feeder; and con-

2/5

Card

L 1662-66

ACCESSION NR: AT5022888

tinuous sintering of the strip. Orig. art. has: 2 figures, 3 tables, 5 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 02

SUB CODE: MM, MT

NO REF SOV: 010

OTHER: 005

Card 3/5

L 1662-66

ACCESSION NR: AP5022888

ENCLOSURE: 01

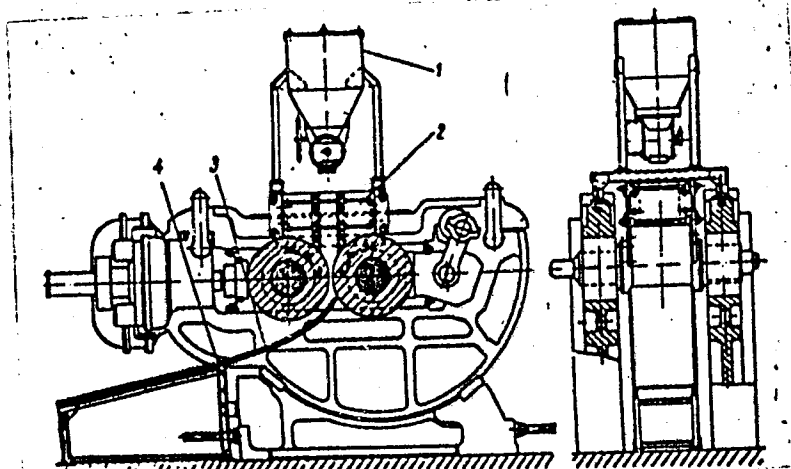


Fig. 1. Diagram of modified rolling mill (horizontal positioning of rolls):
1 - bunker; 2 - feeder; 3 - receiving chute; 4 - receiving table

Card 4/5

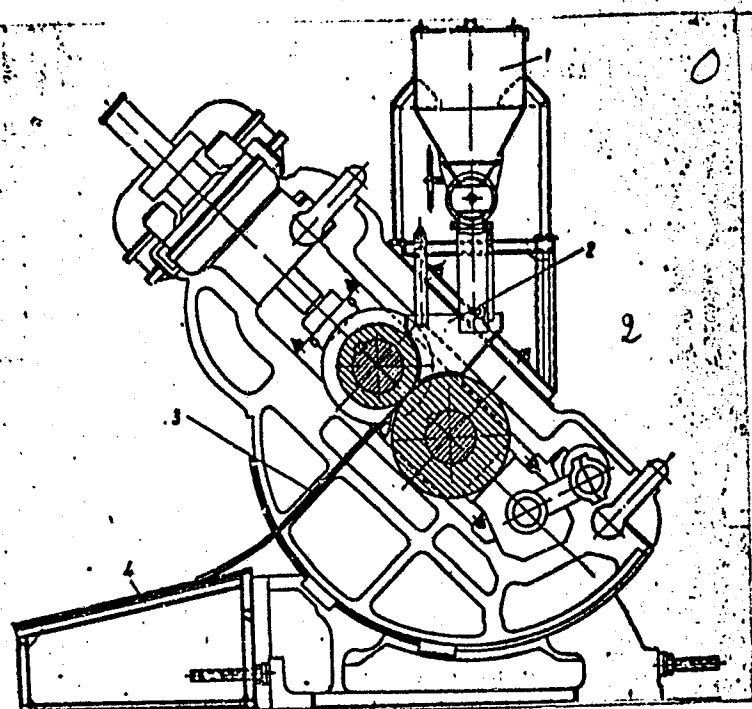
L 1662-66

ACCESSION NR: AP5022888

ENCLOSURE: 02

Fig. 2. Diagram of modified rolling mill
(tilted positioning of rolls)

1 - bunker; 2 -
feeder; 3 - recei-
ving chute; 4 -
receiving table



Card 5/5 *pp*

ANDREYEV, P.S.

Power resources of the Perm Province. Nauch. trudy PermNIUI
no.5:109-116 '63. (MIRA 18:3)

21/49T49

ANNEX 1. V.

USSR/Engineering
Machines, Loading

Oct 48

"The 'Tekhnika,' a Transshipper-Transporter," P. V.
Andreyev, Engr, 1 p

"Mekh Trud i Tyazh Rabot" No 10

Describes machine in detail, giving plan and elevation.
It is designed to unload short (up to 2 meters) balks
of timber from barges, and to load balks from the water
into barges.

21/49T49

ANDREYEV, P V

Mekhanizatsiya vodnogo lesotransporta. (Mechanization of lumber transport by water)
Moskva, Goslesbuhizday, 1946.
245 p. illus., diagrs., tabs.